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SoftDev1 pd08

K #18: Are you devo?

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Program Components

- Homepage: Gives users information and options on which page to visit next
- Database: to store inputted pages
- Search Results Page: to display pages of relevance based on the search
- Search Functionality: to sift through pages to find the right one
- Individual Pages Per Topic: to keep topics separate and different
- Ability to add/edit pages as a user: so the database isn't static, can be revised and improved
- Ability to remove pages as an admin user: to remove incorrect information
- Authentication: So not any visitor of the page can change what is displayed

Database Schema

- [A visual, in case you need it](#)
- Users (USERNAME, PASSWORD, ADMIN?)
 - We recognize that this isn't very safe or secure at all but for sake of functionality, we're going to move this down in terms of priority
 - Admin? Will store a boolean to return whether or not the user is able to access specific actions such as removing
- Content (TITLE, INFO)
 - This will store the title of the webpage (inputted by the creator of the page and is immutable) and the most recent content of the page (text for now)
- Edit History (USERNAME, EDITED VERSION, TITLE, TIME)
 - This will store the username logged in at the time to edit the page, the newly edited content, the title of page edited, and the time when it was edited.

Site Map

- [I think you will find this diagram very useful](#)

Task Assignment

- Create a functional landing login/signup page that redirects to home page
- Implement authentication, categorize users based on permitted type of access
- Create tables in database, with a script containing appropriate get/set methods
- Create page with form for authenticated users to add new topics, that stores those topics in appropriate tables
- Create html template for individual topic pages
- Add editing functionality for authorized users, as well as removing functionality for admins
- Refactor home page to display topic links with timestamps, user info/edit history, search bar
- Create template for search result page, implement search functionality

Timeline

- We believe this project can be accomplished within the scope of ten days
- Day 0: Deliverables + Planning Phase
- Day 1: Edit Deliverables + Homepage + General template for page formatting
- Day 2: **V1** Login/Logout Page that implements authentication + Create HTML template for individual topic pages
- Day 3: **V2** Create/remove page functionality based on admin? Status
- Day 4: **V3** Search Functionality which we will test through terminal
- Day 5: **V4** Search Results Page which will display topics search based on relevance
- Day 6-7: First working version should be done
- Day 8: **V5** Debugging
- Day 9: **V6** Final edits